



SEQUENCE LISTING

<110> Tel Aviv University Future Technology Development L.P.  
Gazith, Ehud

<120> PEPTIDES ANTIBODIES DIRECTED THEREAGAINST AND METHODS USING SAME  
FOR DIAGNOSING AND TREATING AMYLOID-ASSOCIATED DISEASES

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<150> US 60/392,266  
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<150> US 60/352,578  
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<150> US 60/436,453  
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<150> US 60/483,180  
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<150> US 60/514,974  
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Xaa Phe Asn Xaa  
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<210> 115  
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<400> 115

Tyr Tyr  
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<210> 116  
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Tyr Tyr  
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Asn Tyr Pro
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Pro Tyr  
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<220>  
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<400> 124

Ala Asn Phe Leu Val His  
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<211> 6  
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Xaa Asn Phe Xaa Val His  
1 5

<210> 126  
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<400> 126

Ala Asn Phe Leu Val  
1 5

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<400> 128

Phe Phe Pro  
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<210> 129  
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<400> 129

Xaa Phe Asn Xaa  
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<210> 130  
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<400>  130

Phe Asn Pro
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Xaa Asn Phe Xaa
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<400>  132

Gln Lys Leu Val Phe Phe
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<210>  133
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<213> Artificial sequence

<220>

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<400> 133

Tyr Tyr

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<210> 134

<211> 4

<212> PRT

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<223> Synthetic peptide

<400> 134

Asn Tyr Tyr Pro

1

<210> 135

<211> 3

<212> PRT

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<220>

<221> misc\_feature

<222> (3)..(3)

<223> Alpha-aminoisobutyric acid (Aib)

<400> 135

Tyr Tyr Xaa

1

<210> 136

<211> 3

<212> PRT

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<222> (1)..(1)

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<400> 136

Xaa Tyr Tyr

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<210> 137  
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Xaa Tyr Tyr Xaa  
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<220>  
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<400> 138

Asn Tyr Tyr Pro  
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<210> 139  
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Pro Tyr Tyr  
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Tyr Tyr Pro  
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<400> 141

Pro Tyr Tyr Pro  
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<400> 142

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Pro Xaa
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Phe Pro
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Trp Xaa
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Trp Pro
1

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Phe Pro
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<210> 148
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<222> (2)..(2)
<223> D-Stereoisomer

<400> 148

Pro Phe
1

<210> 149
<211> 3
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<220>
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Cys Trp Xaa
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Cys Trp Xaa
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<213> Artificial sequence
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<223> Synthetic peptide
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<400> 151
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Asp Ala Asn Lys Ala
1 5
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<210> 152
<211> 37
<212> PRT
<213> Artificial sequence
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<223> Rodent IAPP derived amino acid sequence

<400> 152

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
1 5 10 15

Val Arg Ser Ser Asn Asn Leu Gly Pro Val Leu Pro Pro Thr Asn Val  
20 25 30

Gly Ser Asn Thr Tyr  
35

<210> 153

<211> 37

<212> PRT

<213> Artificial sequence

<220>

<223> Human IAPP derived amino acid sequence

<400> 153

Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Asn Phe Leu  
1 5 10 15

Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn Val  
20 25 30

Gly Ser Asn Thr Tyr  
35

<210> 154

<211> 7

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 154

Asn Phe Gly Ser Val Gln Phe  
1 5

<210> 155

<211> 8

<212> PRT

<213> Artificial sequence

<220>

<223> Synthetic peptide

<400> 155

Asn Phe Gly Ser Val Gln Phe Val  
1 5

<210> 156  
<211> 8  
<212> PRT  
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<220>  
<223> Synthetic peptide

<400> 156

Asn Phe Gly Ser Val Gln Phe Ala  
1 5

<210> 157  
<211> 8  
<212> PRT  
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<220>  
<223> Synthetic peptide

<220>  
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<220>  
<221> misc\_feature  
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<400> 157

Xaa Asn Phe Xaa Val His Ser Ser  
1 5

<210> 158  
<211> 32  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Human Calcitonin derived amino acid sequence

<400> 158

Cys Gly Asn Leu Ser Thr Cys Met Leu Gly Thr Tyr Thr Gln Asp Phe  
1 5 10 15

Asn Lys Phe His Thr Phe Pro Gln Thr Ala Ile Gly Val Gly Ala Pro  
20 25 30

<210> 159

<211> 4  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Synthetic peptide

<400> 159

Gly Ala Ile Leu  
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<210> 160  
<211> 5  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Synthetic peptide

<400> 160

Lys Leu Val Phe Phe  
1 5

<210> 161  
<211> 7  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Synthetic peptide

<400> 161

Lys Leu Val Phe Phe Ala Glu  
1 5

<210> 162  
<211> 8  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Synthetic peptide

<400> 162

Asn Phe Gly Ser Val Gln Phe Val  
1 5

<210> 163  
<211> 7  
<212> PRT  
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<220>  
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<400> 163
Gly Asn Asn Gln Gln Asn Tyr
1 5

<210> 164
<211> 38
<212> PRT
<213> Artificial sequence

<220>
<223> WT hIAPP expressed by the synthetic gene

<400> 164
Met Lys Cys Asn Thr Ala Thr Cys Ala Thr Gln Arg Leu Ala Met Phe
1 5 10 15

Leu Val His Ser Ser Asn Asn Phe Gly Ala Ile Leu Ser Ser Thr Asn
20 25 30

Val Gly Ser Asn Thr Tyr
35

<210> 165
<211> 114
<212> DNA
<213> Artificial sequence

<220>
<223> WT hIAPP coding synthetic gene

<400> 165
atgaaatgca acactgccac atgtgcaacc cagcgctgg caaattttt agttcattcc 60
agcaacaact ttggtgccat tctctcatct accaacgtgg gatccaatac atat 114

<210> 166
<211> 114
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<223> Human IAPP coding sequence

<400> 166
atgaaatgca acaccgcgac ctgcgcgacc cagcgctgg cgaactttct ggtgcatagc 60
agcaacaact ttggcgcgat tctgagcagc accaacgtgg gcagcaacac ctat 114

<210> 167
<211> 12
<212> DNA

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<213> Artificial sequence

<220>
<223> Factor Xa cleavage site coding sequence positioned downstream to
      the MBP tag in pMAL-c2X IAPP vector

<400> 167
atcgagggtta gg                                12

<210> 168
<211> 30
<212> DNA
<213> Artificial sequence

<220>
<223> NCOI restriction site followed by a 6XHis tag coding sequence and
      a V8 protease cleavage site cloned downstream to the MBP tag in
      the pMAL-c2X IAPP vector

<400> 168
accatgggcc atcaccatca ccatcacgaa                                30

<210> 169
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 169

Thr Gln Arg Leu Ala Asn Phe Leu Val Glu
1                      5                      10

<210> 170
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 170

Gln Arg Leu Ala Asn Phe Leu Val Glu Ser
1                      5                      10

<210> 171
<211> 10
<212> PRT
<213> Artificial sequence

<220>
<223> Synthetic peptide

<400> 171

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Arg Leu Ala Asn Phe Leu Val Glu Ser Ser  
1 5 10

<210> 172  
<211> 10  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Synthetic peptide

<400> 172

Leu Ala Asn Phe Leu Val Glu Ser Ser Asn  
1 5 10

<210> 173  
<211> 10  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Synthetic peptide

<400> 173

Ala Asn Phe Leu Val Glu Ser Ser Asn Asn  
1 5 10

<210> 174  
<211> 10  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Synthetic peptide

<400> 174

Asn Phe Leu Val Glu Ser Ser Asn Asn Phe  
1 5 10

<210> 175  
<211> 10  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Synthetic peptide

<400> 175

Phe Leu Val Glu Ser Ser Asn Asn Phe Gly  
1 5 10

<210> 176  
<211> 10

<212> PRT  
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<220>  
<223> Synthetic peptide

<400> 176

Leu Val Glu Ser Ser Asn Asn Phe Gly Ala  
1 5 10

<210> 177  
<211> 10  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Synthetic peptide

<400> 177

Val Glu Ser Ser Asn Asn Phe Gly Ala Ile  
1 5 10

<210> 178  
<211> 10  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Synthetic peptide

<400> 178

Glu Ser Ser Asn Asn Phe Gly Ala Ile Leu  
1 5 10

<210> 179  
<211> 32  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Partial amino acid sequence of human Calcitonin

<400> 179

Cys Gly Asn Leu Ser Thr Cys Met Leu Gly Thr Tyr Thr Gln Asp Phe  
1 5 10 15

Asn Lys Phe His Thr Phe Pro Gln Thr Ala Ile Gly Val Gly Ala Pro  
20 25 30

<210> 180  
<211> 4  
<212> PRT  
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<220>  
<223> Factor Xa cleavage site coded downstream to the MBP tag in the  
pMAL-c2X IAPP vector

<400> 180

Ile Glu Gly Arg  
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<210> 181  
<211> 10  
<212> PRT  
<213> Artificial sequence

<220>  
<223> Amino acid sequence coded by the NCOI restriction site followed  
by a 6XHis tag and a V8 protease cleavage site.

<400> 181

Thr Met Gly His His His His His Glu  
1 5 10